



# FLORIDA DEPARTMENT OF Environmental Protection

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Secretary

## Phase I Municipal Separate Storm Sewer System (MS4) NPDES Stormwater Audit Report

### I. BACKGROUND INFORMATION

**MS4 Permit Name:** Palm Beach County  
**Permittee:** Town of Gulf Stream  
**Permit Number:** FLS000018 (Cycle 4)  
**Annual Report Year:** Year 1  
**Reporting Period:** 10/01/2016 – 09/30/2017  
**Audit Date/Time:** June 8, 2018 1:15 pm – 3:00 pm

#### Inspector(s):

Name	Title	Phone/ Email
Michelle Bull	Environmental Consultant	850-245-7561 <a href="mailto:Michelle.Bull@dep.state.fl.us">Michelle.Bull@dep.state.fl.us</a>

#### Permittee Representative(s):

Name	Title	Phone
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Brian Dietrick	Utilities and Maintenance	561-276-5116 <a href="mailto:bdietrick@gulf-stream.org">bdietrick@gulf-stream.org</a>
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### II. GENERAL COMMENTS

The Town is very small and completely residential, with a population of 1001. Mathew's Consulting submitted a revised annual report, which addressed all DEP comments.

### III. SITE VISITS

☐ Satisfactory

☐ Unsatisfactory

☒ Not Applicable

#### IV. SWMP IMPLEMENTATION REVIEW

##### Monitoring Program

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

The Assessment Plan was approved.

##### Fiscal Analysis

Not reviewed during audit.

##### TMDL Prioritization

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

**TMDL Prioritization Plan:** Did not discharge into a TMDL WBID at permit issuance.

##### Part III.A.1: Structural Controls and Stormwater Collection Systems Operation

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

**Major Outfall Inventory:** No major outfalls. The Year 1 annual report included a map of all conveyances and outfalls, and an inventory list of outfalls. Planning to install another non-major outfall with 2 catch basins in Year 2.

**Structural Control Inventory:** Performed a study of the stormwater system in Year 2. During the study, barnacles on outfalls was noted; one check valve has been replaced. Most outfalls are exposed at low tide.

**Structural Control Inspections:**

**Pump Station:** 1 pump to GST012 with associated weir. The pumps are tested monthly. Maintenance is contracted as needed. Reviewed pump inspection logs.

**Catch basin:** All catch basins and swales are inspected monthly and reported on one sheet. Reviewed inspection logs, which include illicit discharge, and collection of pine needles, leaves, and trash. Pipes are inspected with catch basins. Discussed reporting treatment swales as conveyance swales. Recommend including a comment on reports that all structures are inspected during the reported inspection. Weir inspections may be recorded with pump station inspections.

##### Part III.A.2: Areas of New Development and Significant Redevelopment

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

**New/Redevelopment Projects:** All development is SFHs. Rely on Delray Beach for site plan review and construction site inspections. Reviewed list of applications, none are significant development.

##### Part III.A.3: Roadways

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

**Litter Control:** Performed in conjunction with catch basins etc. Performed monthly, but also have daily windshield inspections. Reporting miles collected as swales, however, collecting litter on entire ROW; the Town has 8.8 miles of public road. Reporting gallons collected during inspections on inspection checklist, around 10 gallons per inspection. Dispose of debris in Town Hall dumpster.

**Street Sweeping:** No curb and gutter

**Road Maintenance Yards:** No facility.

#### Part III.A.4: Flood Control Projects

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

**Stormwater Treatment Projects:** 0 projects. Planning one new outfall.

#### Part III.A.5: Municipal Waste Treatment, Storage, and Disposal Facilities Not Covered by an NPDES Stormwater Permit

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

**Waste Storage Facilities:** No facility. Waste Management collects trash, recycling and bulk pick-up.

#### Part III.A.6: Pesticides, Herbicides, and Fertilizer Application

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

**FDACS License:** Riley's does pesticide application.

**GIBMP Certification:** No fertilizer/pesticide application by permittee staff. Two private golf courses.

**Fertilizer Ordinance:** Do not discharge to a nutrient-impaired waterbody.

#### Part III.A.7.a: Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

**Legal Authority:** Discussed Police vs. Code Enforcement activities, and their legal abilities to investigate on private property. All MS4 structures are at the street, so potential illicit discharges would be visible.

#### Part III.A.7.c: Illicit Discharges and Improper Disposal — Investigation of Suspected Illicit Discharges and/or Improper Disposal

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

**Proactive Inspections:** See Part III.A.1

**Reactive Inspections:** Have had pool discharges in the past, and provide education to resident.

#### Part III.A.7.d: Illicit Discharges and Improper Disposal — Spill Prevention and Response

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

**Spills:** 0, very little traffic, no staff handle chemicals. Rely on the City of Delray Beach for response.

#### Part III.A.7.e: Illicit Discharges and Improper Disposal — Public Reporting

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

**Public Education:** Relying on joint program for education.

#### Part III.A.7.f: Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control

☒ Satisfactory ☐ Unsatisfactory ☐ Not Applicable

**Solid Waste department:** Residential garbage collected by Waste Management.

### **Part III.A.7.g: Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage**

☒ Satisfactory                      ☐ Unsatisfactory                      ☐ Not Applicable

All homes on septic.

### **Part III.A.8.a: Industrial and High-Risk Runoff — Identification of Priorities and Procedures for Inspections**

☒ Satisfactory                      ☐ Unsatisfactory                      ☐ Not Applicable

**High risk facilities:** No commercial or industrial facilities.

### **Part III.A.8.b: Industrial and High-Risk Runoff — Monitoring for High Risk Industries**

☒ Satisfactory                      ☐ Unsatisfactory                      ☐ Not Applicable

**Monitoring:** See above.

### **Part III.A.9.a: Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices**

☒ Satisfactory                      ☐ Unsatisfactory                      ☐ Not Applicable

**Site Plan Review:** Town reviews applications for zoning compliance before sending to City of Delray beach for permit application review for building, erosion and sediment control, and ERP requirements. Reviewed list of projects.

The Town has a pre-construction meeting with operators to review the Town's construction site manual, which includes parking, working hours, housekeeping, sweeping the road, hurricane procedures, etc.

**ERP/CGP Coverage:** See City of Delray Beach. Sites did not require a CGP.

### **Part III.A.9.b: Construction Site Runoff — Inspection and Enforcement**

☒ Satisfactory                      ☐ Unsatisfactory                      ☐ Not Applicable

**Inspections:** No active construction that met threshold.

Reviewed City of Delray Beach's building permit portal to check application and inspection status. Did not see erosion and sediment control in the portal; however, in the past, Rebecca has received permit holds requiring on silt fence repairs. Before closure order, the City must receive a signed and sealed document for post-construction compliance.

Recommend collecting the number of active construction sites and inspections for ESC within the Town performed the City of Delray Beach. Rebecca reviewed permits, 38 permits for pools, additions, other small projects that require dirt turning.

**Enforcement:** City of Delray Beach provided a letter that stated no violations.

### **Part III.A.9.c: Construction Site Runoff — Site Operator Training**

☒ Satisfactory                      ☐ Unsatisfactory                      ☐ Not Applicable

**Inspector and Site Plan Reviewer E&SC Training:** See City of Delray Beach annual reports.